



PATENT

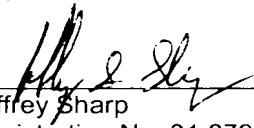
Docket No.: 29853/37702

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Applicants: Zhang, et al.
Serial No.: 10/033,571 ✓
Filed: December 27, 2001
For: Method for Producing Purified
Adenoviral Vectors
Art Unit: Not Assigned
Examiner: Not Assigned

) I hereby certify that this paper is
) being deposited with the United
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) to: Commissioner for Patents,
) Washington, D.C. 20231 on this
) date:

) May 28, 2002

) 
) Jeffrey Sharp
) Registration No. 31,879
) Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

The patents and publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 CFR §§ 1.56, 1.97, and 1.98. Copies of the patents and publications believed not to be of record in the parent case (see below) are enclosed as necessary, and are marked with an asterisk (*).

TIME OF FILING

This information disclosure statement is being filed:

- ☒ 1. with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or, to the best of the undersigned's knowledge, before the mailing date of a first Office Action on the merits, whichever event occurs last. In accordance with 37 CFR §1.97(b), no certification or fee is required.
- ☐ 2. after the time period specified in paragraph 1 above, but, to the best of the undersigned's knowledge, before the mailing date of a final action under 37 CFR §1.113 or notice of allowance under 37 CFR §1.311. Therefore, in accordance with 37 CFR §1.97(c), submitted herewith is:

(check either A or B below)

- A. ☐ a certification as specified in 37 CFR §1.97(e).
- ☐ the fee set forth in 37 CFR §1.17(p) for submission of an information disclosure statement under 37 CFR §1.97(c).
- ☐ 3. after the mailing date of either a final action under 37 CFR §1.113 or a notice of allowance under 37 CFR §1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant submits herewith:
- A. a certification as specified in 37 CFR §1.97(e);
- B. the petition fee set forth in 37 CFR §1.17(i); and
- C. the accompanying petition under 37 CFR §1.97(d).

PRIOR AND RELATED APPLICATIONS

In accordance with 37 CFR §1.98(d), most copies of the patents and publications listed on the enclosed PTO Form-1449 are not provided because the patents and publications were previously cited by, or submitted to, the Patent Office in a prior application that Applicant(s) rely upon for an earlier filing date under 35 U.S.C. §120. Documents listed on the attached Form PTO-1449 were cited by, or submitted to, the examiner of the following patent application(s):

Applicants: Zhang, et al.
Serial No. 09/556,570
Filing Date: April 24, 2000
Title: An Improved Method for the Production and Purification of Adenoviral Vectors
Status: Issued as Patent No. 6,194,191 B1

METHOD OF PAYMENT

- ☒ No fee is required.
- ☐ Attached is a check in the amount of \$_____.

The Commissioner is authorized to charge any fee deficiency required by this paper, or credit any overpayment, to Deposit Account No. 13-2855. A copy of this paper is enclosed.

Respectfully submitted,

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By: _____

Jeffrey S. Sharp
Reg. No: 31,879

May 28, 2002

Form PTO-1449 (Modified)

U. S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

29853/37702

Serial No.

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Applicant

Zhang, et al.

Filing Date

12/27/01

Group

1648

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
		4,352,883	10/05/82	Lim	435	178	
		4,725,547	02/16/88	Sakamoto, et al.	435	239	
		5,607,851	03/04/97	Pellegrini, et al.	435	236	
	*	5,744,304	04/28/98	Munford	436	6	
	*	5,837,520	11/17/98	Shabram, et al.	435	239	

FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
	*	4-9338	01/14/92	JAPAN				
	*	0 475 623 A1	03/18/92	EPO				
	*	WO 93/25224	12/23/93	PCT				
	*	WO 94/06910	03/31/94	PCT				
		WO 94/17178	08/04/94	PCT				
		WO 95/25789	08/28/95	PCT				
		WO 96/27677	09/12/96	PCT				
	*	WO 97/04803	02/13/97	PCT				
		WO 97/08298	03/06/97	PCT				
		WO 98/00524	01/08/98	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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	Berg, et al., "High-live expression of secreted proteins from cells adapted to serum-free suspension culture," <i>BioTechniques</i> , 14(6):972-978, 1993.
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		Crooks, et al., "Purification and analysis of infectious virions and native non-structural antigens from cells infected with tick-borne encephalitis virus," <i>J. Chrom.</i> , 502:59-68, 1990.
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		Graham and Prevec, "Manipulation of adenovirus vectors," <i>Int. Methods in Molecular Biology: Gene Transfer and Expression Protocols 7</i> , (Murray, Ed.) Humana Press, Clifton, NJ, pp. 109-128, 1991.
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		Levrero, et al., "Defective and nondefective adenovirus vectors for expressing foreign genes <i>in vitro</i> and <i>in vivo</i> ," <i>Gene</i> , 101:195-202, 1991.
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